

Canebrake Valley Groundwater Basin

- Groundwater Basin Number: 7-46
- County: San Diego
- Surface Area: 5,420 acres (8.5 square miles)

Basin Boundaries and Hydrology

This basin underlies Canebrake Valley and Inner Pasture in eastern San Diego County. The basin is bounded by nonwater-bearing crystalline rocks of the Tierra Blanca to the north and east, of the In Ko Pah Mountains to the south, and of the Sawtooth Mountains to the west. The valley is drained eastward toward Carrizo Valley by Canebrake and North Washes in the southern and central parts of the valley and by an unnamed creek in the northern part of the valley. Annual precipitation ranges from about 10 to 16 inches.

Hydrogeologic Information

Water Bearing Formations

Holocene alluvium and Pleistocene age terrace and nonmarine sedimentary deposits are mapped as the surficial deposits in this valley (Rogers 1965). Water-bearing materials of this basin probably consist of alluvium composed of boulders, gravel, sand, silt, and clay.

Recharge Areas

Recharge to the basin is likely from percolation of runoff from the surrounding mountains through alluvial fans and stream channels.

Groundwater Level Trends

Unknown.

Groundwater Storage

Groundwater Storage Capacity. Unknown.

Groundwater in Storage. Unknown.

Groundwater Budget (Type C)

Budget information is not available.

Groundwater Quality

Characterization. Rising water sampled in 1953 was sodium-calcium bicarbonate in character and had a TDS content of 709 mg/L (DPW 1954).

Impairments. Unknown.

Well Characteristics

Well yields (gal/min)		
Municipal/Irrigation	Range: 9-125 gal/min	Average: (Well Completion Reports)
Total depths (ft)		
Domestic	Range: 115 – 679 ft.	Average: (Well Completion Reports)
Municipal/Irrigation	Range:	Average:

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	
	Miscellaneous water quality	
Department of Health Services and cooperators	Title 22 water quality	

Basin Management

Groundwater management:

Water agencies

Public

Private

References Cited

Rogers, T. H. 1965. *Geologic Map of California: Santa Ana Sheet*. Olaf P. Jenkins Edition. California Department of Conservation, Division of Mines and Geology. Scale 1: 250,000.

Errata

Changes made to the basin description will be noted here.